STOVAX

Riva F40 Avanti, Midi, Highline, Riva F40 Cube

Multi-Fuel Free Standing Stove

MODELS: RVF40AV, RVF40AVM, RVF40AVH, RVF40C

User Instructions

For Use in Great Britain and Eire

CE

This product is suitable for use in the stated countries. To install the product in other countries it is essential to obtain translated instructions and in some cases the product may require modification. Contact Stovax to obtain further information.

IMPORTANT

Please read these instructions carefully before using the appliance.
Keep them safe for future reference and when servicing the stove.

PM177-Issue 1 (July 2006)

FOR YOUR RECORDS

To assist us in any Guarantee claim please complete the following information:-

Stovax dealer appliance was purchased from

Name: .....

Address: .....

.....

Telephone number: .....

Essential Information - MUST be completed

Date installed: .....

Model Description: .....

Serial number: .....

Installation Engineer

Company name: .....

Address: .....

.....

Telephone number: .....

Commissioning Checks (to be completed and signed)

Is flue system correct for the appliance	YES ☐	NO ☐
Flue swept and soundness test complete	YES ☐	NO ☐
Smoke test completed on installed appliance	YES ☐	NO ☐
Spillage test completed	YES ☐	NO ☐
Use of appliance and operation of controls explained	YES ☐	NO ☐
Instruction books handed to customer	YES ☐	NO ☐

Signature: ..... Print name: .....

SERVICE RECORDS

1st SERVICE
Date of Service: . . . . . .
Next Service Due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/HETAS Registration Number

2nd SERVICE
Date of Service: . . . . . .
Next Service Due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/HETAS Registration Number

3rd SERVICE
Date of Service: . . . . . .
Next Service Due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/HETAS Registration Number

4th SERVICE
Date of Service: . . . . . .
Next Service Due: . . . . . .
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Dealer's Stamp/HETAS Registration Number

5th SERVICE
Date of Service: . . . . . .
Next Service Due: . . . . . .
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Dealer's Stamp/HETAS Registration Number

6th SERVICE
Date of Service: . . . . . .
Next Service Due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/HETAS Registration Number

7th SERVICE
Date of Service: . . . . . .
Next Service Due: . . . . . .
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Dealer's Stamp/HETAS Registration Number

8th SERVICE
Date of Service: . . . . . .
Next Service Due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/HETAS Registration Number

9th SERVICE
Date of Service: . . . . . .
Next Service Due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/HETAS Registration Number

10th SERVICE
Date of Service: . . . . . .
Next Service Due: . . . . . .
Signed: . . . . . .
Dealer's Stamp/HETAS Registration Number

OPERATING INSTRUCTIONS

THE INFORMATION GIVEN IN THIS MANUAL IS TYPICAL FOR ALL MODELS UNLESS STATED.
Before using this appliance, please read these instructions fully.

1. GENERAL

1.1 This stove is designed for domestic heating and should only be used for this purpose, and in accordance with the manufacturers operating instructions.

It should be installed by a competent installer, in accordance with the relevant local and national regulations.

1.2 The stove should only be used to burn approved fuels and should not be used with liquid fuels or used as an incinerator.

1.3 As with all heating stoves the surfaces will become very hot when in use, therefore due care should be taken when near the stove. If it is to be used in the presence of young children, elderly or infirm persons a suitable fireguard should be used. Care should also be taken with the placement of combustible items near the stove as conducted and radiated heat could cause a fire hazard.

1.4 Due to the high temperature of the convected air above the stove we recommend that no valuable photographs, paintings, TVs, porcelain or other items are placed in this area. Such artefacts may be damaged by long term exposure to fluctuating temperatures.

1.5 Additional ventilation may be required for the safe use of this stove should be kept free of any obstructions, both inside and outside the building, at all times.

1.6 Have your Stovax product serviced annually by a competent service engineer, and if repairs are required use only Stovax approved spare parts.

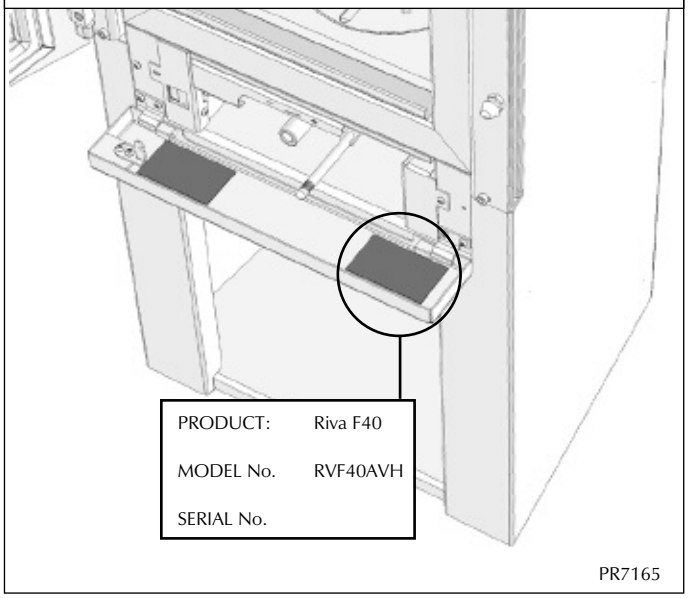
1.7 Do not make unauthorised modifications or changes to the appliance.

1.8 No other heating appliance should be connected to, or share, the same flue or chimney system.

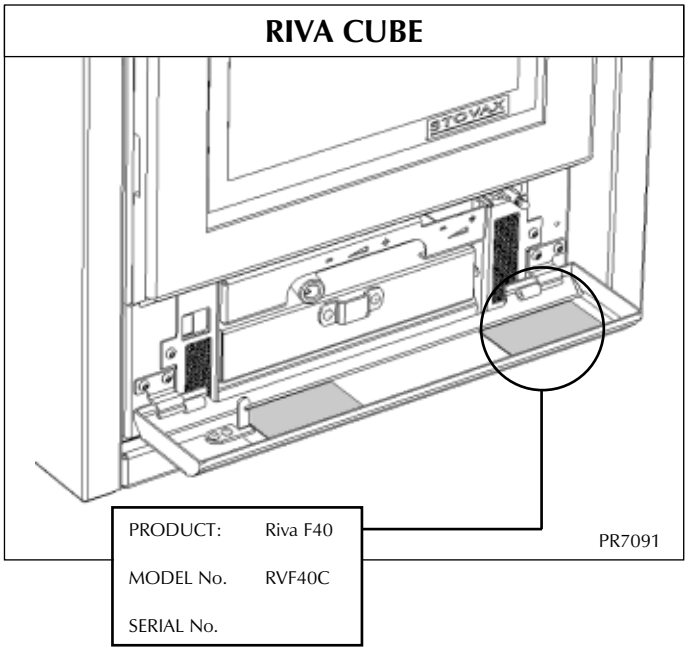
1.9 **SERIAL NUMBER**

This number will be required when ordering spare parts or making warranty claims. It is found inside the ash cover door as shown

RIVA AVANTI



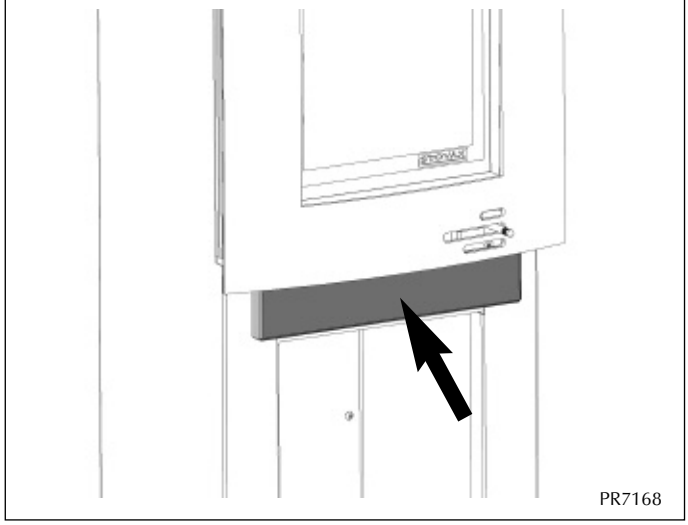
RIVA CUBE



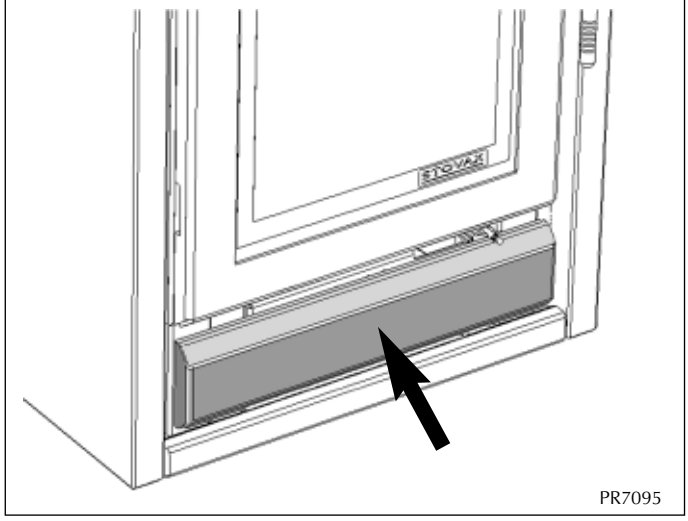
OPERATING INSTRUCTIONS

1.10 ASHCOVER

RIVA AVANTI



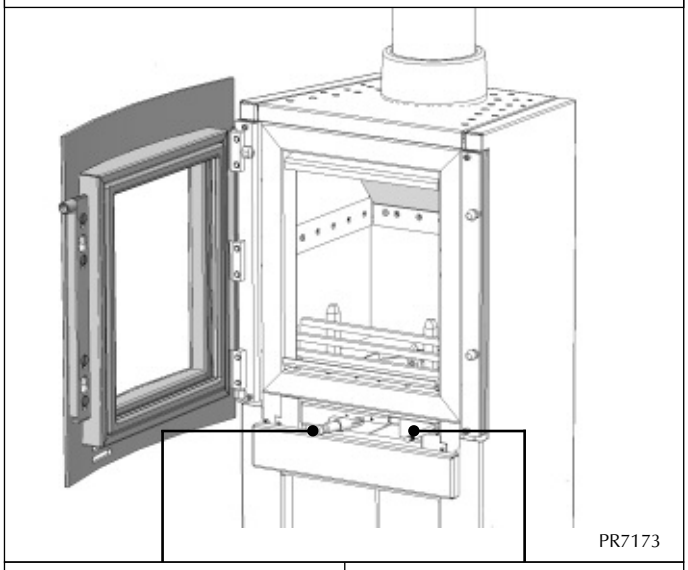
RIVA CUBE

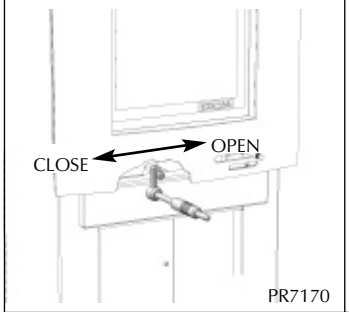


To operate the 'touch latch' press the centre of the ashcover to open and close the cover.

1.11 AIR CONTROLS

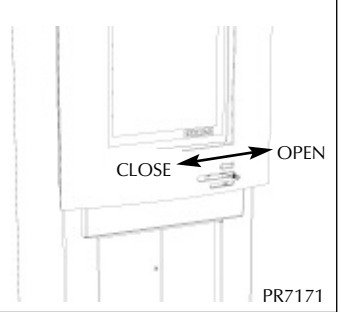
RIVA AVANTI





PRIMARY AIR CONTROL

Move air control as shown using the door tool.

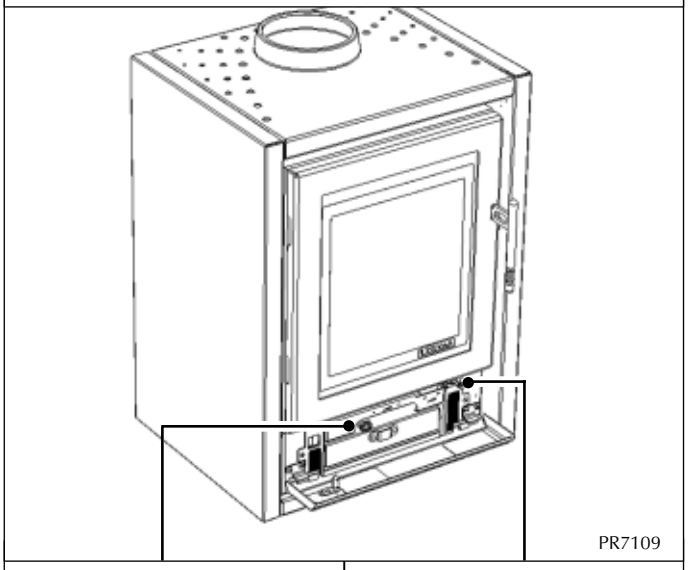


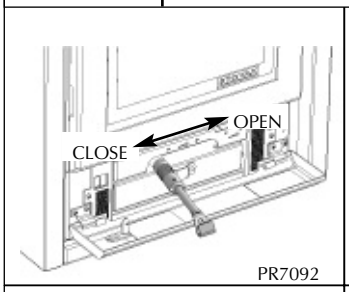
AIRWASH AIR CONTROL

This control has a pre-set "indent ball" stop in the closed position "opti-burn" setting. If the control is pushed past this point the airwash will be fully closed.

OPERATING INSTRUCTIONS

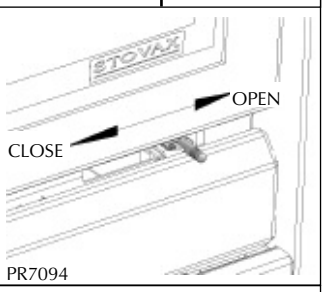
RIVA CUBE





PRIMARY AIR CONTROL

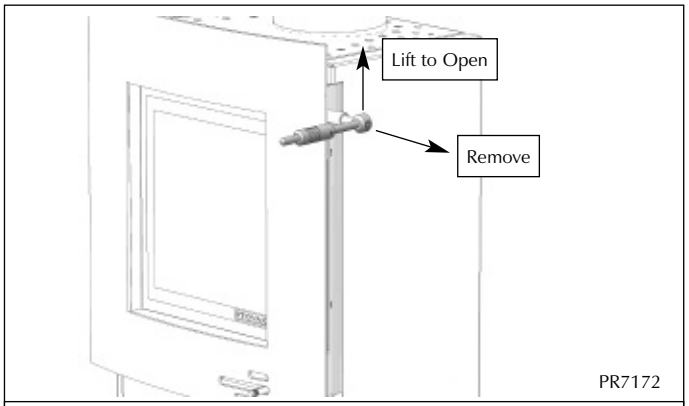
Lower the ashpan cover and move the air control as shown using the ashpan tool.



AIRWASH AIR CONTROL

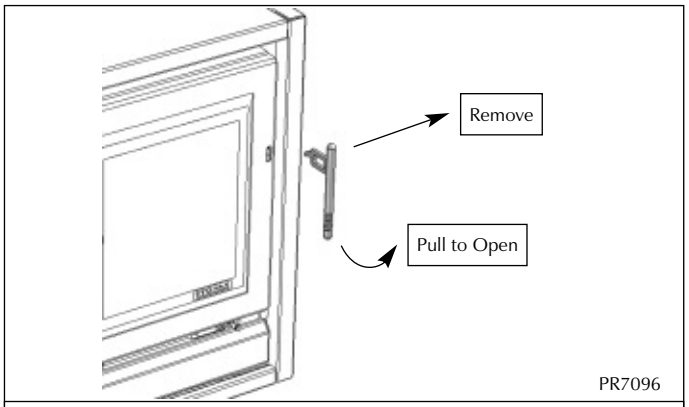
This control has a pre-set "indent ball" stop in the closed position "opti-burn" setting. If the control is pushed past this point the airwash will be fully closed.

1.12 **DOOR HANDLE**



RIVA AVANTI

To open and close the door use the tool provided as shown.



RIVA CUBE

1.13 To remove the door handle lift the handle without rotating.

1.14 To open the door, pull the lower portion of the handle. To close the door hold the handle in the open position and push the door to the closed position, then rotate the handle to the vertical position.

1.15 Use a gloved hand to operate the door handle.

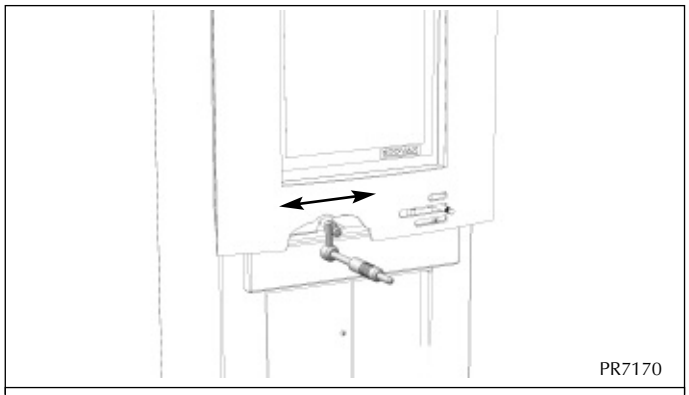
1.16 To open and close the door use the tool provided. See diagram above.

NEVER OPEN THE DOOR WITH YOUR BARE HANDS.

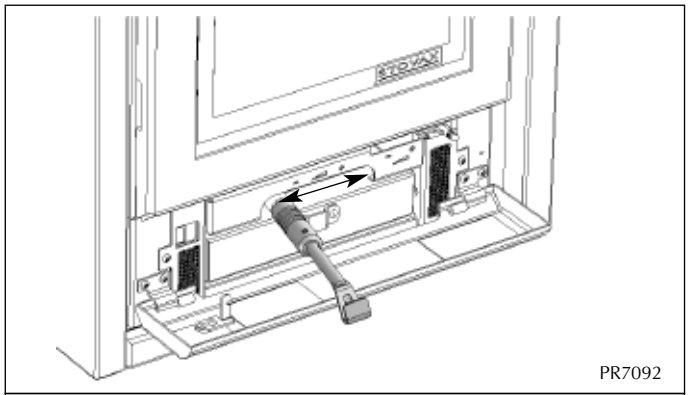
OPERATING INSTRUCTIONS

1.17 **RIDDLING GRATE**

When burning solid fuel de-ash the firebed, using the riddling grate system as shown below.



RIVA AVANTI



RIVA CUBE

De-ash the firebed, using the riddling grate system.

To do this lower the ash cover (see 1.10) below the door, then insert the ash pan tool into the socket as shown and move the primary air control vigorously left to right, this causes the ash to fall down onto the ashpan.

Never operate the grate with your bare hands

2. USING THE RIVA FOR THE FIRST TIME

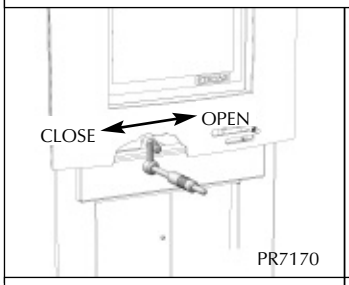
2.1 When new it is best to burn the fire at a low output for the first few days of use. This will allow the construction to settle and all fixing glues and paint to fully cure.

AVOID TOUCHING THE PAINT DURING FIRST PERIOD OF USE.

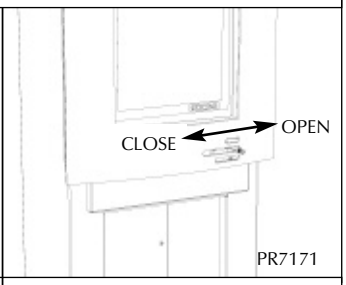
2.2 During this time the appliance may give off some unpleasant odours, and we recommend that you keep the room well ventilated during this period to avoid a build-up of fumes.

3. BURNING WOOD

RIVA AVANTI

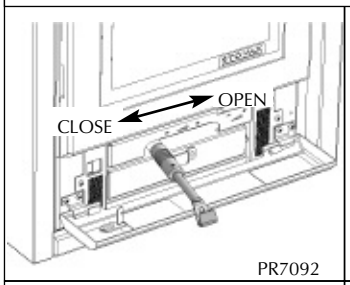


PRIMARY AIR CONTROL

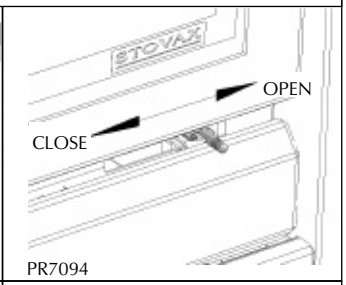


AIRWASH AIR CONTROL

RIVA CUBE



PRIMARY AIR CONTROL



AIRWASH AIR CONTROL

3.1 Open the **Airwash control** fully and open the **Primary air control** to approximately 25% open.

3.2 Place some pieces of firelighter or dry crumpled paper on the grate and cover with some small pieces of dry kindling wood. Light the paper or firelighters. Do not burn plastics.

3.3 To avoid the build-up of condensation on the door glass it is advisable to leave the door slightly open as the fire establishes, and the glass warms.

3.4 As the fire becomes established add larger pieces of wood and fully close the door. **Do not leave the stove with the door open as this could over-fire the stove and cause permanent damage.**

3.5 As the fire becomes established close the **Primary air control** and control the burn rate using the **Airwash control** only.

3.6 To burn wood efficiently it is best to allow a bed of ash to build-up on the grate, and control the combustion using the **Airwash control** only.

3.7 Before re-fuelling the stove it is advisable to first rake the embers evenly over the firebed then open the **Airwash control** fully for a few minutes, to establish a glowing bed before adding new logs.

OPERATING INSTRUCTIONS

3.8 Allow the new logs to burn at high output for a few minutes before adjusting the burn rate with the **Airwash control** to the desired setting. It is best to refuel little and often to maintain clean and efficient burning.

3.9 The ideal control settings to suit the particular installation and personal preferences will be established by experience in using the appliance.

3.10 The maximum height of fuel in the Riva stove must not exceed the secondary air holes in the Stainless Steel fascias.

3.11 It is not recommended to load large amounts of logs and burn with the **Airwash control** on low settings for long periods of time. As this will reduce the effectiveness of the glass cleaning effect of the airwash. Also this will cause large a build-up of tars and creosotes in the stove and flue system.

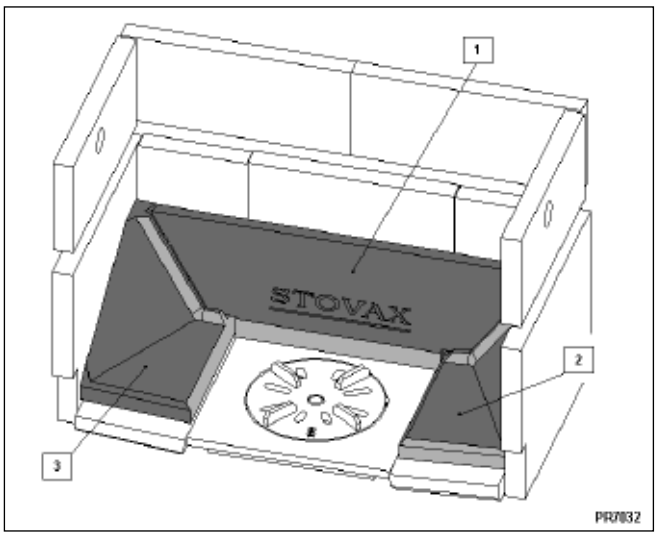
3.12 We would recommend that the stove is burnt at high output for at least 30 minutes each day when it is in use. This will help reduce the build-up of tars and creosotes within the appliance.

3.13 Do not burn painted, impregnated wood, manufactured board products, construction timber or pallet wood.

4. BURNING SOLID FUELS

4.1 To burn smokeless fuels it is required to fit a cast iron multi fuel kit - Stovax product code: RVAC140. This kit allows the efficient combustion of wood.

4.2 This is fitted by placing the parts on top of the existing vermiculite firebricks in the order shown.



4.3 Open the **Airwash control** to approximately 50% and **Primary air control** fully.

4.4 Place some pieces of firelighter or dry crumpled paper on the grate and cover with some small pices of dry kindling wood. Light the paper or firelighters.

4.5 To avoid the build-up of condensation on the door glass it is advisable to leave the door slightly open as the fire establishes and the glass warms.

4.6 As the fire becomes established add pieces of solid fuel and fully close the door. **Do not leave the stove with the door open as this could over-fire the stove and cause permanent damage.**

4.7 As the fire becomes established reduce the **Airwash air contro**l to approximately 25% and control the burn rate using the **Primary air control only.**

4.8 Before re-fuelling the appliance it is advisable to first de-ash the firebed, using the riddling grate system, see section 1.12, operated by using the door tool to move the grate from side to side. This causes the ash to fall down into the ashpan. **Do not use bare hands to operate the riddling system.**

4.9 Then open the **Primary air control** fully for a few minutes, to establish a glowing bed before adding new fuel.

4.10 Allow the new fuel to burn at high output for a few minutes before adjusting the burn rate with the **Primary air control** to the desired setting. It is best to refuel little and often to maintain clean and efficient burning.

4.11 The ideal control settings to suit the particular installation and personal preferences will be established by experience in using the stove.

4.12 The maximum height of fuel in the Riva stove must not exceed the secondary air holes in the Stainless Steel fascias. It is not recommended to load large amounts of fuel and burn with the primary air control on low settings for long periods of time as this will reduce the effectiveness of the glass cleaning effect of the airwash. Also, this will cause a large build-up of tars and creosotes in the appliance flue system.

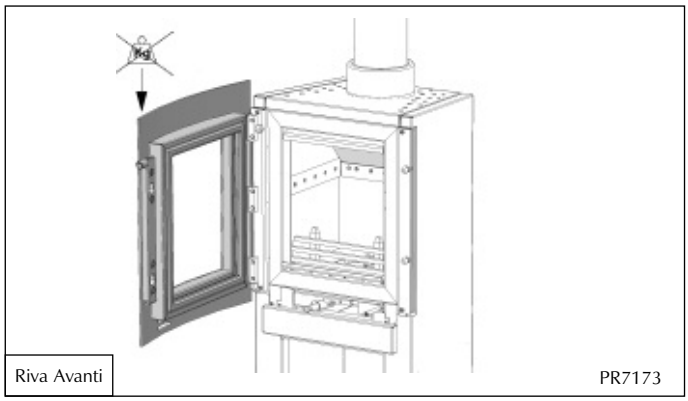
4.13 We would recommend that the appliance is burnt at high output for at least 30 minutes each day when it is in use. This will help reduce the build-up of tars and creosotes within the stove.

4.14 **Burn only manufactured smokeless fuels suitable for use on closed appliances. Do not burn bitumous coal, 'petro-coke' or any other petroleum based fuels as this will invalidate your warranty.**

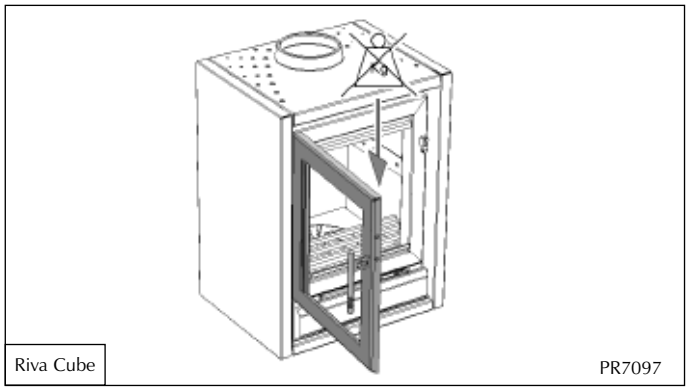
OPERATING INSTRUCTIONS

WARNING

Do not use the door as a rest or support when refuelling or adjusting the air controls as this could cause permanent damage to the appliance.



Riva Avanti PR7173



Riva Cube PR7097

5. OVER-FIRING

5.1 Do not use the appliance at maximum output for prolonged periods of time, or over fill the firebox with fuel, as this could result in over-firing. If the connecting fluepipe, appliance flue collar or top plate glow red with heat the appliance is being over-fired and the air controls should be closed to reduce the output.

5.2 If a chimney fire occurs shut all air controls immediately to close the appliance down, and evacuate all persons from the building before calling the fire brigade. Do not re-enter the building until it is confirmed safe to do so.

5.3 Following a chimney fire do not use the appliance until it is inspected, by a HETAS (GB only)/INFO (Eire) registered installer, to confirm that the appliance is safe to use, or make any repairs required before re-use. Only genuine Stovax replacement parts are to be used to keep your appliance in safe and efficient working order.

5.4 After any chimney fire it is recommended that the chimney system be inspected and swept by a NACS registered (UK only) chimney sweep, to confirm that the system is structurally sound and free from any obstructions before re-use.

6. SEASONAL USE

6.1 If the stove is not to be used during the warmer periods of the year it is recommended to clean and service the stove, as detailed in the Maintenance and Servicing section.

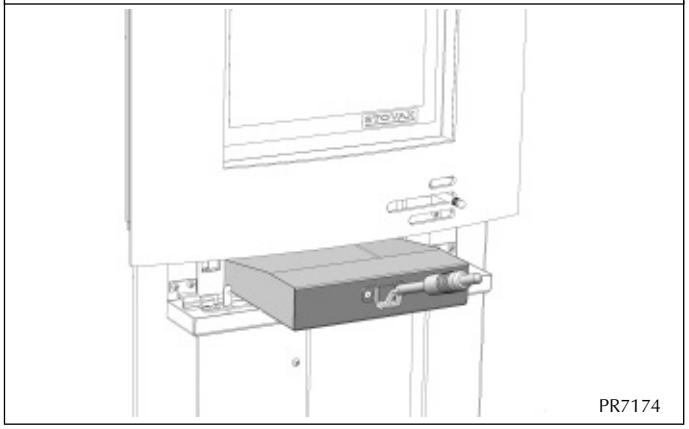
6.2 The air controls should be set in the 50% open position to keep the appliance ventilated, and stop the build-up of any moisture inside.

6.3 Before re-lighting the stove remove the baffles, clear any debris that may have accumulated, and check the flue is clear of any blockages.

7. ASH REMOVAL

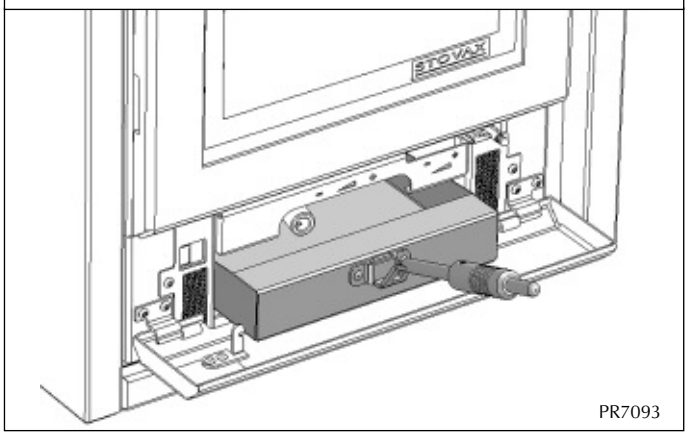
7.1 The burning of any fuel will produce ash, which will have to be removed after a period of use. This time will depend on the fuel used. Before removing the ash from the stove it is advisable to let the fire burn down to a low level, or even go out completely. The ash pan can the be removed from the appliance using the tool provided, after lowering the access cover below the door. See section 1.12.

RIVA AVANTI



PR7174

RIVA CUBE



PR7093

7.2 As heat can remain in the ash for a long period after use, care must be taken when removing and carrying the full ashpan. We suggest that the ashpan is carried using gloved hands. Or the ash is placed directly in to a Stovax Ash Caddie. (Stovax part number 4227)

7.3 When burning wood the quantity of ash will be smaller and may only need removal once every week. To do this, allow the fire to burn out and cool. Then after removing the log retainer, scoop out the ash with a suitable shovel. It is best to leave a layer of ash in the stove to form a bed for the new fire.

7.4 Do not place ash in a bin made from plastic or any other combustible material.

8. RECOMMENDED FUELS

8.1 **Wood:-** Burn only seasoned timber, with a moisture content of less than 20%. In most cases this would require drying cut wood for 12 to 18 months before use. Poor quality timber could cause low combustion efficiency, produce large amounts of harmful condensation, which could reduce the effectiveness of the airwash system, and ultimately the life of the stove. **Do not burn painted, impregnated/treated wood, manufactured board products, constructed timber or pallet wood.**

To help avoid large build-ups of tars and creosote within the stove and the flue system, it is recommended to burn at high output for at least 30 minutes each day. The use of Stovax Protector chimney cleaner will also help to reduce this problem.

8.2 **Solid fuel:-** Burn manufactured smokeless fuels listed as suitable for use with closed heating stoves. **Do not burn bituminious coal, 'petro-coke' or other petroleum based fuels, as this will invalidate the product guarantee.**

8.3 **Fuel consumption at nominal heat output:**

As tested to the requirements of EN13240:2001 for intermitent operation.

Description		Fuel Consumption	
		Kg/Hour Wood	Kg/Hour Briquette Smokeless Fuel
RVF40AV	Riva F40 Avanti	1.5	0.7
RVF40AVM	Riva F40 Avanti Midi	1.5	0.7
RVF40AVH	Riva F40 Avanti Highline	1.5	0.7
RVF40C	Riva F40 Cube	1.5	0.7

If you require advice on suitable solid fuels contact your local Approved Coal Merchant. Details can be obtained by ringing the Solid Fuel Association advice line on Freephone 0800 600 000. Or their web site at **www.solidfuel.co.uk**

A number of factors can effect the performance of the Riva stove. Some of these are listed.

9. BURNING PERFORMANCE

9.1 Fuel Quality (Wood)

Use only seasoned wood with a moisture content of less than 20%. Symptoms of poor performance related to wet woods include:

- Dirty firebricks,
- Difficulty getting a fire going and keeping it burning well,
- Smoky fires with little flame,
- Dirty glass,
- Rapid creosote build-up in the chimney,
- Low heat output,
- Short burn times, excessive fuel consumption and blue/grey smoke from the chimney.

9.2 Fuel Quality (Solid Fuel)

Use only recommended solid fuels, which are approved for use with closed appliances. Symptoms of poor performance related to unsuitable fuels include: -

- Dirty glass,
- Difficulty getting a fire going and keeping it burning well,
- Smoky fires with little flame,
- Dirty firebricks
- Short life span for grate, baffles and internal firebricks,
- Permanent staining of glass.

9.3 Backpuffing

This is caused by a lack of combustion air entering the firebox causing combustion gases to build up in the firebox and periodically ignite as small explosions, causing smoke to puff out of the appliance air inlets and other openings. The problem will often occur if the air controls are shut soon after adding new fuel to a very hot fire. To stop backpuffing occurring open the air controls to increase the combustion air and increase the burning rate.

9.4 Flue Draught

The chimney has two main functions, which are, to safely remove the smoke, gases and fumes from the house, and to provide a sufficient amount of draught (suction) in the Riva

stove to ensure that the fire is kept burning. Draught is caused by the rising hot air in the chimney when the Riva stove is lit.

Symptoms of poor performance related to flue draught include: -

- Excessive fuel consumption (high flue draught)
- Poor burning control, overheating (high flue draught)
- Wind noise from air controls (high flue draught)
- Difficulty getting a fire going and keeping it burning well (low flue draught)
- Low heat output (low flue draught)
- Smoke entering room when doors opened (low flue draught)

The construction, position, size and height of the chimney are all factors that affect the performance of the flue draught.

Other factors that can effect the flue draught include:

- Trees or other buildings nearby causing turbulence
- High and gusty winds
- Outside temperature
- Outside weather conditions
- Incorrect additional ventilation to building
- Blocked flue / chimney

For advice on the correction of persistent flue problems consult a qualified Solid Fuel heating engineer before continuing to use the Stockton stove.

9.5 Weather conditions

The weather conditions outside the building could have an effect on the burning performance of the Riva stove.These could include:

Windy days - smoking from the appliance. This could be caused by turbulent airflow around chimney terminal, possibly caused by the position of other buildings or obstacles nearby. This problem is, also, sometimes associated with oversize chimneys, which may even have downdraught problems on calm days. If smoking is a common problem on windy days make a note of the wind strength and direction before consulting your appliance installer, who will advise you on possible solutions to the problem, after visiting the installation.

Damp / **Rainy days** – These sometimes result in problems when lighting and maintaining the fire, due to the lower flue temperatures and smaller difference between indoor and outdoor temperatures reducing the flue draught. Also, rain water running down the inside of the chimney reduces the flue temperatures. To help with this problem care must be taken to use good quality kindling wood, when starting the fire, and running the stove at a higher heat setting than normal for a period after start-up to fully heat the chimney. It could be possible to fit a rain cowl to the chimney to reduce this problem. Your appliance installer should advise you on possible solutions.

If the Riva stove emits smoke into the room continuously close the air controls and allow the stove to go out, and ventilate the room to clear the fumes. **Do not re-light the appliance until the cause of the problem is identified and rectified.**

MAINTENANCE and SERVICING

For parts and spares mentioned below, please see the Stovax Stove & Hearth Accessories catalogue.

1. GENERAL

Before any cleaning is carried out, allow the stove to cool to avoid risk of burns.

1.1 We would recommend that your Riva stove be cleaned fully on a regular basis, according to the level of use. Attention should be given to cleaning the baffle system, flueways and removing ash. Regular cleaning and preventive maintenance will help give many years of safe use.

1.2 The external paintwork may be cleaned using warm soapy water and a soft clean cloth. Wipe dry with a soft clean cloth before re-lighting. Do not leave unit without drying, as this may cause rust.

1.3 To refresh painted finishes, it is possible to re-paint using Stovax Riva Paint:

Storm: RVAC010

Black: RVAC011.

2. CLEANING GLASS

2.1 While the correct use of the Airwash system, and good quality fuel, will generally keep the glass clean when the appliance is used you may sometimes need to clean the glass.

2.2 This can be done as follows. Allow the Riva stove to cool fully, never attempt to clean hot glass. Any deposits can be removed using a soft cloth and Stovax Glass Cleaner.

Spray: 4103, 500ml

Gel for more burnt on tar: 4111, 500ml.

2.3 Before re-lighting the appliance, dry the glass fully.

2.4 **Do not use abrasive cleaner or cleaning pads.**

3. CHIMNEY SWEEP

3.1 We would recommend that to maintain the safe and efficient use of the appliance the flue / chimney is inspected and swept at least **once a year, by a competent person.**

At the end of the heating season it is recommended to strip, inspect and clean the stove as detailed: -

4. ANNUAL SERVICE

4.1 Carefully remove all of the following internal parts.
2 Internal Baffles, Firebricks, complete grate (2 parts), and Ashpan. See sections 5 and 6 of Maintenance & Cleaning section for the instructions on how to remove the baffles and firebricks.

4.2 Vacuum clean any remaining ash and debris from the inside of the stove. We offer an ash collector/filter system to allow you to use your standard cleaner without clogging it up with the ash.

2091 Ashclean

2092 Locking band for Ashclean

2093 Filter for Ashclean

2094 Rubber band for Ashclean

4.3 Clean the internal surfaces of the stove a using a wire brush and scraper as required. Vacuum and brush the resulting debris from the stove.

4.4 Clean the Baffle and Grate parts with a wire brush, and check the parts for any damage. Replace any damaged parts.

4.5 Check and clean, with a soft brush the Firebricks. Replace any broken bricks. It is normal for some surface damage to occur during use.

4.6 Re-fit cleaned internal parts.

4.7 Remove the glass from the door, see section 7, and discard all old rope seals.

4.8 Remove the door rope seal from the outer edge of the door clean the old glue from the door sealing rope grove.

4.9 Clean the door glass using Stovax Stove Glass Cleaner and a soft cloth, do not use abrasive cleaners to remove tar or soot deposits from the glass.

Spray: 4103, 500ml

Gel for more burnt on tar: 4111, 500ml.

4.10 Replace the glass edge seal with new and re-fit the glass into place in the door.

4.11 Fit new door rope seal, gluing it in place with a generous bead of fresh Stovax Thermic Seal glue (5037) into the rope locating groove. DO NOT GLUE OVER THE SCREW HEADS. Press the new Stovax door sealing rope into the locating groove, placing the joint in the middle of the lower edge of the door. When fitting new door seals we recommend closing the stove door and leaving for at least 12 hours before using and use a low output for

MAINTENANCE and SERVICING

approximately one day. This allows the adhesive to fully bond to the seal before use.

4.12 Lightly oil the door catch mechanism and hinge pins. Avoid getting oil on to the door seals and glass.

4.13 To refresh painted finishes it is possible to re-paint using Stovax Riva Paint. Stainless steel trim parts may be cleaned using Stovax Stainless Steel Cleaner.

Riva Paint - Storm: RVAC010

Riva Paint - Black: RVAC011

Stainless Steel Cleaner: 5035, 500ml

4.14 We recommend that only genuine Stovax replacement parts are used to keep your appliance in safe and efficient working order. Your local Stovax dealer will be able to provide you with the genuine parts you require.

This is a list of the maintenance products you may need to use

Task	Product name	Stovax Code number
Glass cleaning	Stove glass cleaner 500ml – wipe on	4111
	Stove glass cleaner – spray on	4130
Preventing build-up of creosote in flue	Protector (15 sachets) Protector (1kg tub)	7002 7025
Sealing flue pipe joints	Fire Cement - 500g tub Fire Cement - 600g cartridge	2020 2021
Re-painting	Storm Metallic	RVAC010
	Metallic Black	RVAC011
Protecting your hands	Heat resistant leather gloves	4008
Door sealing rope	16mm White rope seal – Handy pack	5001
	16mm White rope seal – 20m reel	4096
Glass sealing tape	20mm x 2mm Black tape seal – Handy pack	4998
	20mm x 2mm Black tape seal – 20m reel	4997
Fixing door seal	Thermic seal glue – 50ml	5037

Riva Avanti Holding Tools	Optional tool holder	RVAC015
Riva Cube Holding Tools	Optinal Tool Holder	RVAC001

These products, all available from you local Stovax dealer, along with regular maintenance and use of the correct fuels, will help you to keep your stove in the best possible condition. If you require more information about Stovax products visit our website www.stovax.com.

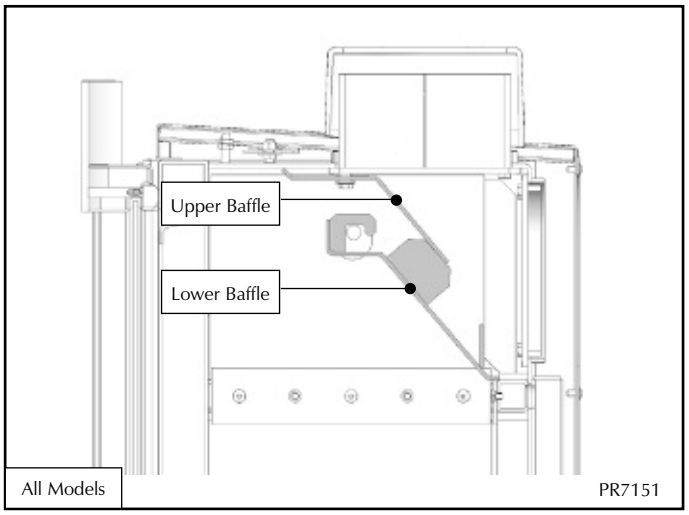
4.15 When using the stove for the first time again it is best to burn the fire at a low output for the first day of use. This will allow the new seals to settle and all new fixing glues and paint to fully cure.

4.16 During this time the stove may give off some unpleasant odours, and we recommend that you keep the room well ventilated during this period to avoid a build-up of fumes.

If you require help your local Stovax dealer will be able to carry-out all of your service and maintenance requirements for a reasonable cost.

5. FITTING AND REMOVAL OF BAFFLES

5.1 To maintain efficient combustion the Riva stove is fitted with a twin baffle system, consisting of upper and lower baffles.

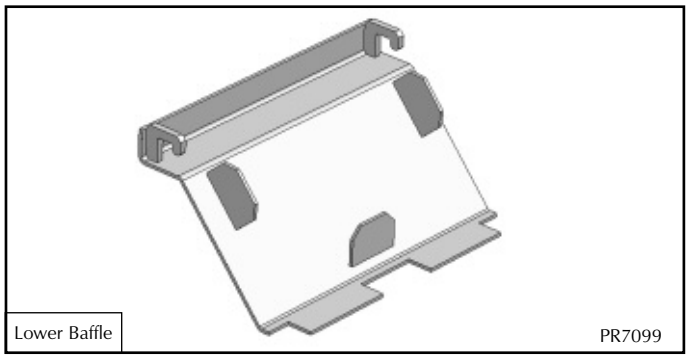


5.2 Allow the stove to cool fully before removing baffle system.

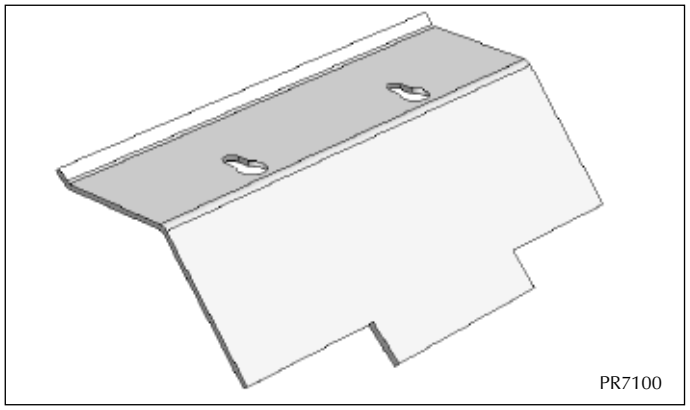
5.3 To remove the baffle, first remove the Log Guard from the stove to give access to the firebox.

5.4 First remove the **Lower Baffle** by lifting the front edge to unhook it from the support bars, then pull the baffle forward to disengage the rear edge from the location above air inlet holes. Rotate the baffle to remove from the firebox through the door opening.

MAINTENANCE and SERVICING



5.5 Second remove the **Upper Baffle** by pulling forward to disengage it from the hanging points at the top of the firebox. Rotate the baffle to remove from the firebox through the door opening..



5.6 The replacement of the system is the reverse of the previous operations.

5.7 It is important to remove and clean the baffle system to ensure the flue ways are clear of soot and debris to ensure the safe and efficient operation of the appliance. The frequency of cleaning will depend on the appliance operating conditions.

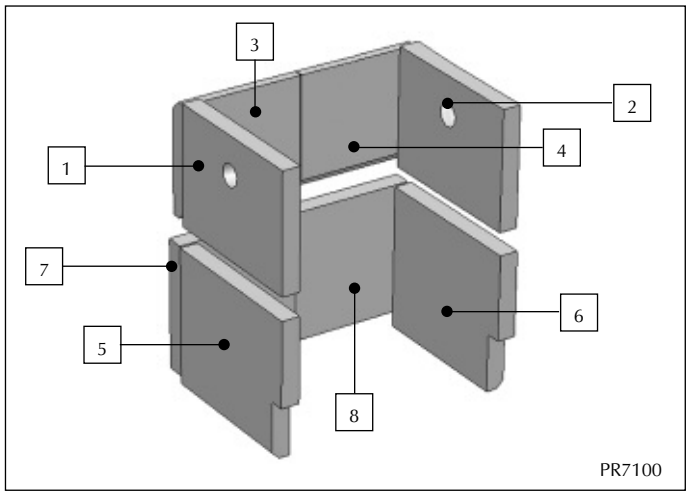
5.8 The baffle system is designed to give safe and efficient operation of the appliance. Replace any damaged baffles immediately.

5.9 Do not modify the baffle system

6. FITTING AND REMOVAL OF FIREBRICKS

6.1 As part of the routine maintenance of the Riva stove you may have to remove the firebricks from the stove. This can be carried-out without the use of tools, but the bricks must be removed and replaced, after removing the baffle system.

6.2 Allow the stove to cool fully before removing firebricks.



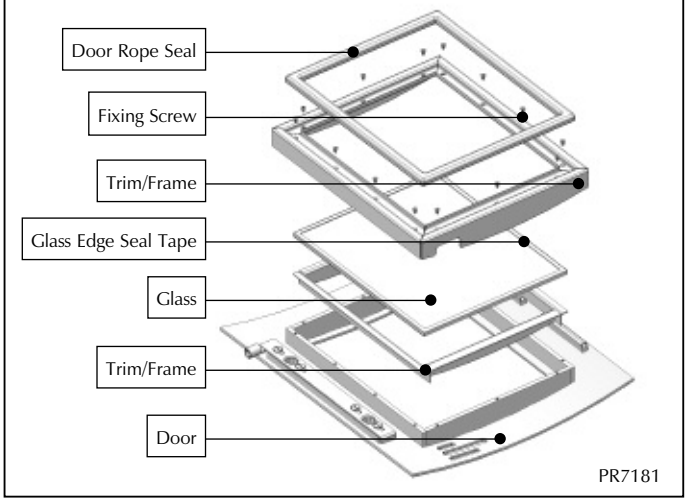
6.3 Replace the bricks in the reverse order from removal.

6.4 Care should be taken when handling bricks, as they can become fragile after a period of use. This is normal and the life will depend on the type of fuels burnt and the level of use. Damaged bricks should be replaced as soon as possible, and can be purchased from your Stovax dealer.

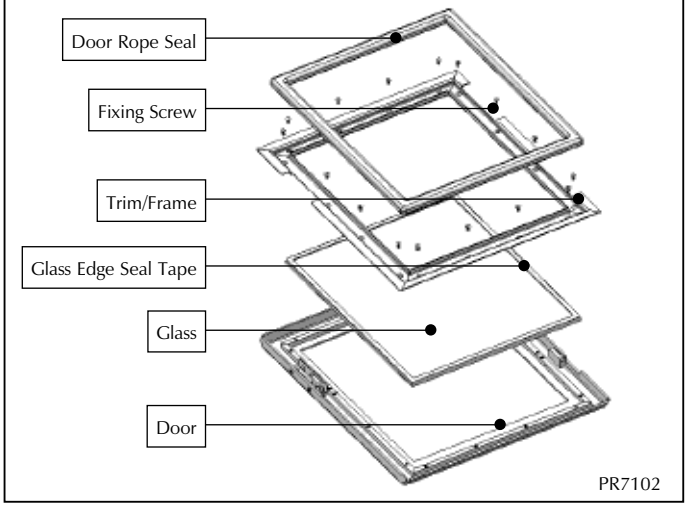
MAINTENANCE and SERVICING

7. FITTING A NEW DOOR GLASS

RIVA AVANTI



RIVA CUBE



7.1 To maintain the safe use of your stove you may need to replace a damaged door glass. To complete this operation, use this method.

7.2a **RIVA AVANTI** - To remove the door first remove the hinge pin. Unscrewing the hinge pin from the body of the Riva and pulling the pin out from the hinge block does this. Support the weight of the door before removing the pin. The door should be kept in the closed position when the pin is removed. Release the door catch to lift to door clear of the hinge blocks.

7.2b **RIVA CUBE** - Remove the door from the Riva stove, by opeing the door by approximately 25mm and lifting the door free of the hinge blocks on the left of the door.

7.3 Lie the door on a soft flat surface, to protect the glass and the paintwork

7.4 Remove the old door rope seal and scrape old glue from the locating groove. Clean the locating groove with a clean dry cloth to remove all old dust and debris.

7.5 Using a 2.5mm A/F hexagon key, remove the exposed fixing screws in the rope seal locating groove, then remove the trim/frame. The old glass can then be lifted clear of the door. (Note how the edge sealing tape is fixed.) Remember to dispose of the old glass safely.

7.6 Clean, and re-paint, the rear of the door if required. Clean the screws with light oil or WD40®, this will aid future removal.

7.7 Fit the edge sealing tape to the new glass, and place the glass into position in the door. Place the door trim/frame back in to position and re-fix with the clean fixing screws.

7.8 Squeeze a generous bead of fresh Thermic Seal glue into the rope locating groove. **Do not glue over the screw heads.** Press the new door sealing rope into the locating groove, placing the joint in the middle of the lower edge of the door.

7.9 Refit the door on to the appliance and close the door to apply pressure to new rope. Leave the appliance closed for at least 12 hours before lighting the appliance and us at a low output for approximately one day.

7.10 Fit only Stovax Ceramic Glass, which is suitable to use in high temperature applications.

7.11 Using the appliance with a damaged door glass could cause dangerous fumes to enter the room, or the stove to overfire, resulting in damage.

8. FITTING A NEW DOOR SEAL

8.1 To maintain the safe use of your Riva stove you may need to replace a damaged or worn door sealing rope. To complete this operation, use this method.

8.2 To remove the door first remove the hinge pin. Unscrewing the hinge pin from the body of the Riva and pulling the pin does this. Support the weight of the door before removing the pin. The door should be kept in the closed position when the pin is removed. Release the door catch to lift the door clear of the hinge blocks.

8.2 Remove the old rope and scrape old glue from the locating groove. Clean the locating groove with a clean dry cloth to remove all old dust and debris.

MAINTENANCE and SERVICING

8.3 Squeeze a generous bead of fresh Thermic Seal glue into the rope locating groove. **Do not glue over the screw heads.** Press the new rope into the locating groove, placing the joint in the middle of the lower edge of the door.

8.4 Refit the door and close the door to apply pressure to new rope. Leave the appliance closed for at least 6 hours before lighting and using at a low output for approximately one day.

8.5 Using the Riva stove with a damaged door seal could cause dangerous fumes to enter the room, or the appliance to overfire, resulting in damage.

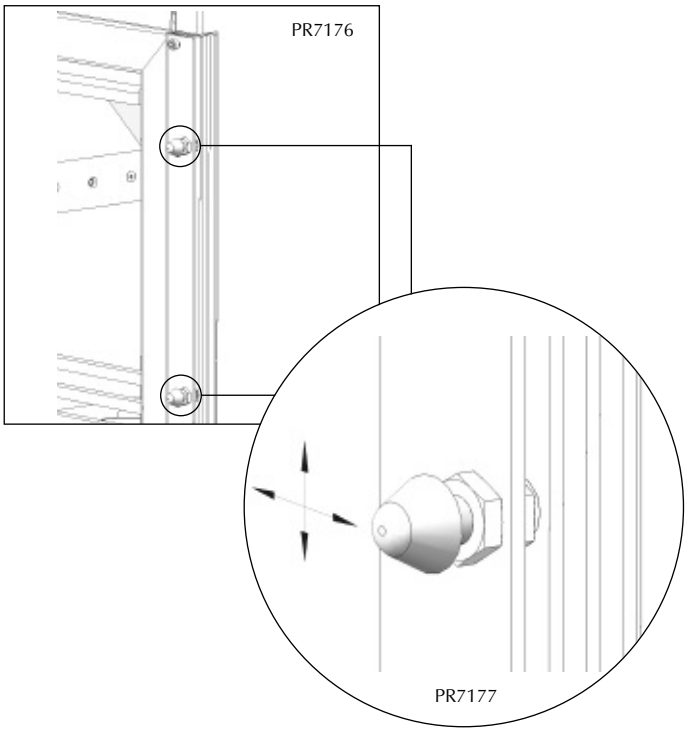
8.6 If you require help your local dealer will be able to carry-out all of your service and maintenance requirements for a reasonable cost.

9A. ADJUSTING DOOR CATCH RIVA AVANTI

(Tool required - 13mm A/F spanner)

9.1 To maintain the safe use of your Riva stove, you may need to adjust the door catch to ensure safe correct closing of the door. Complete this operating as follows

9.2 Open the door to give access to the fixed part of the door catch as shown.



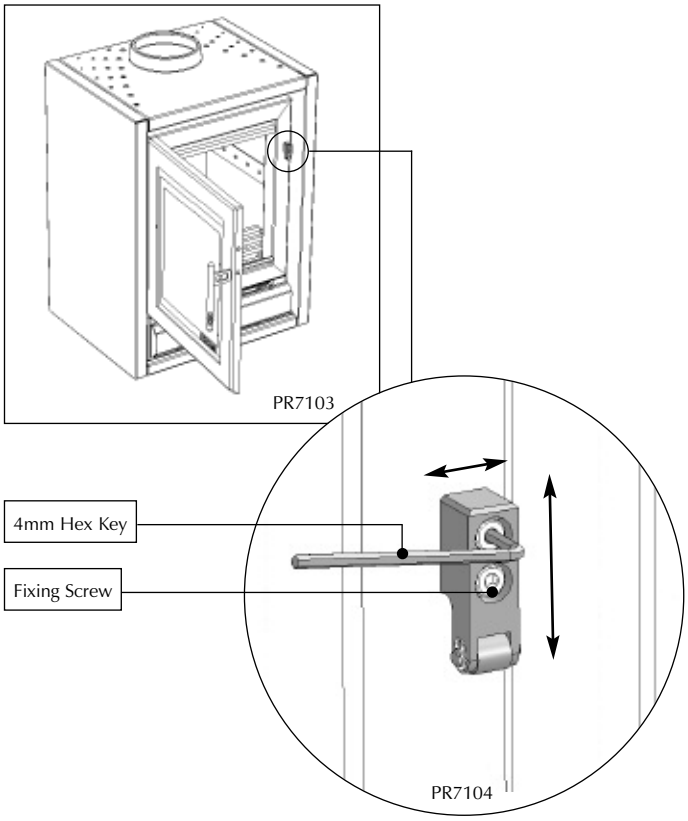
9.3 Using a 13mm A/F spanner loosen the locking nut holding the catch block shown in diagram 11, and reposition to achieve the correct fit. This may need a trial and error approch to find the correct position.

9.4 If the door still feels loose after correcting the catch operation, the door rope seal is worn and requires replacement, as detailed in section 8.

9B. ADJUSTING DOOR CATCH RIVA CUBE

9.1 To maintain the safe use of your Riva stove, you may need to adjust the door catch to ensure safe correct closing of the door. Complete this operating as follows

9.2 Open the door to give access to the fixed part of the door catch as shown.



9.3 Using a 4mm A/F hexagon head key (supplied) loosen the 2 fixing screws, as shown, and reposition the catch block to achieve the correct fit. This may need a trial and error approch to find the correct position.

9.4 If the door still feels loose after correcting the catch operation, the door rope seal is worn and requires replacement, as detailed in section 7 of the Users Instructions.

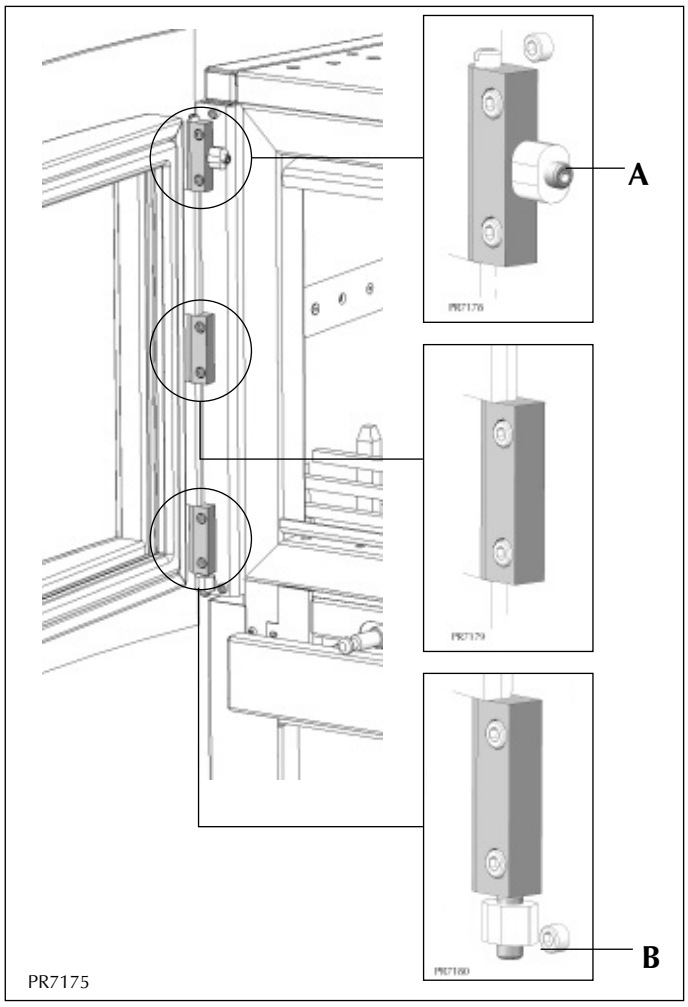
MAINTENANCE and SERVICING

10A. ADJUSTING DOOR HINGES RIVA AVANTI

(Tool required - 4mm A/F Hex socket key)

10.1 To maintain the safe use of your Riva stove, you may need to adjust the door hinges to ensure safe correct closing of the door. Complete this operating as follows.

10.2 Open the door to give access to the fixed part of the door hinge as shown.



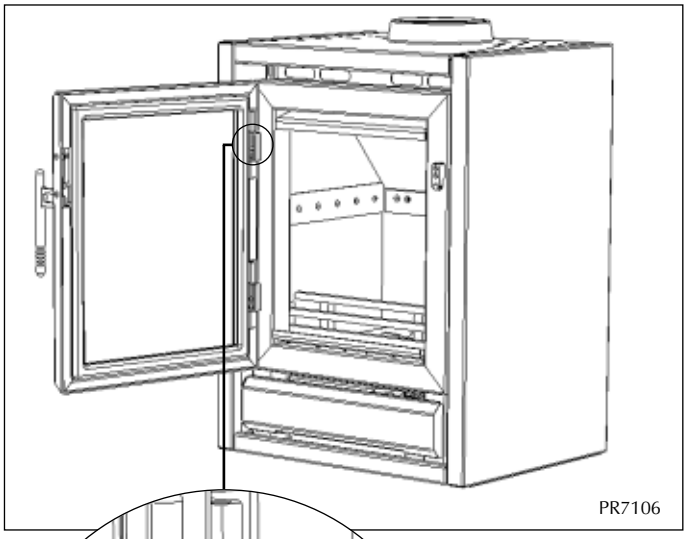
10.3 To adjust the door alignment, loosen the 6 fixing screws using a 4mm A/F hexagon head socket key. Turn screw A to level the door. Turn screw B to raise or lower the door. Re-tighten the fixing screws and check alignment. This may require a trial and error approach to find the correct position.

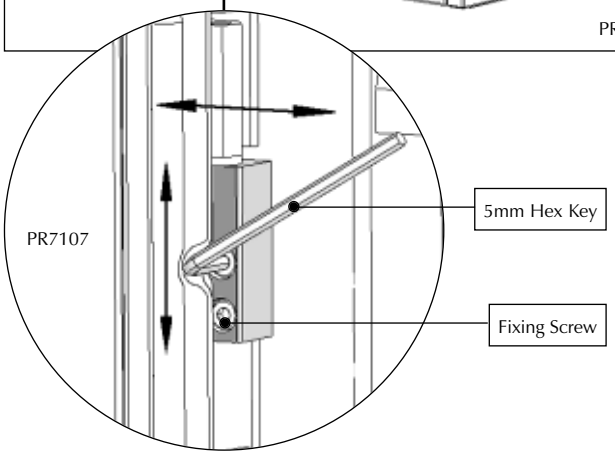
10B. ADJUSTING DOOR HINGES RIVA CUBE

(Tool required - 5mm A/F Hex socket key)

10.1 To maintain the safe use of your Riva stove, you may need to adjust the door hinges to ensure safe correct closing of the door. Complete this operating as follows.

10.2 Open the door to give access to the fixed part of the door hinge as shown.



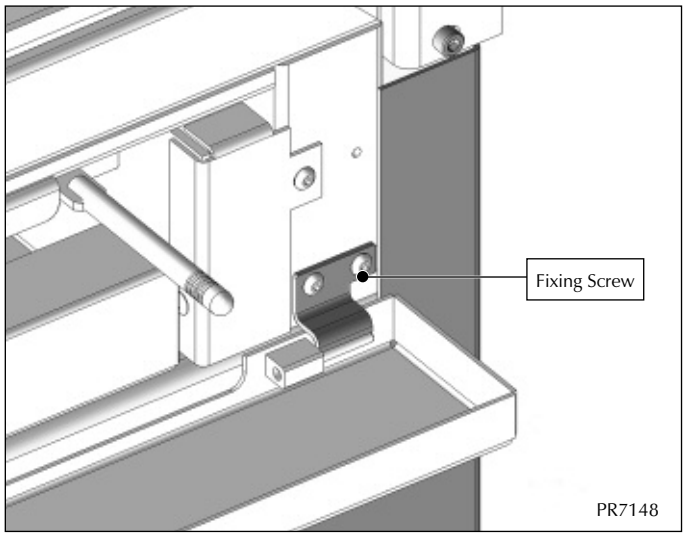


10.3 Using a 5mm A/F hexagon head key loosen the fixing screws, as shown, and reposition the hinge blocks to achieve the correct fit. This may require a trial and error approch to find the correct position.

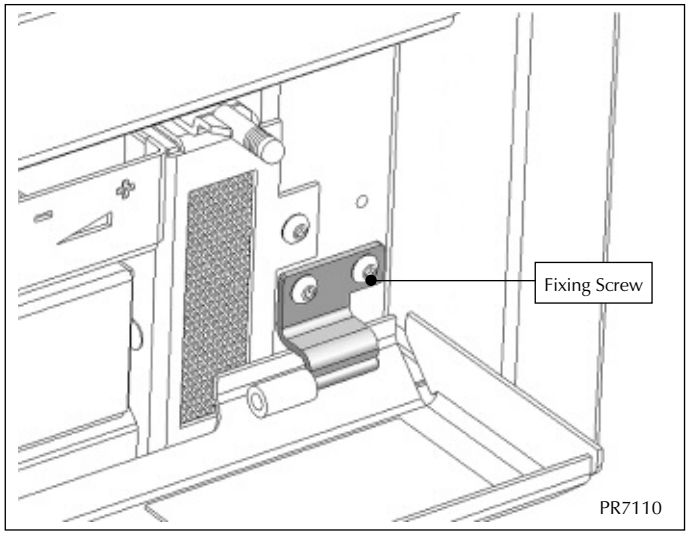
MAINTENANCE and SERVICING

11A. ADJUSTING ASHPAN COVER HINGES RIVA AVANTI

(Tool required - 2.5mm A/F Hex socket key)



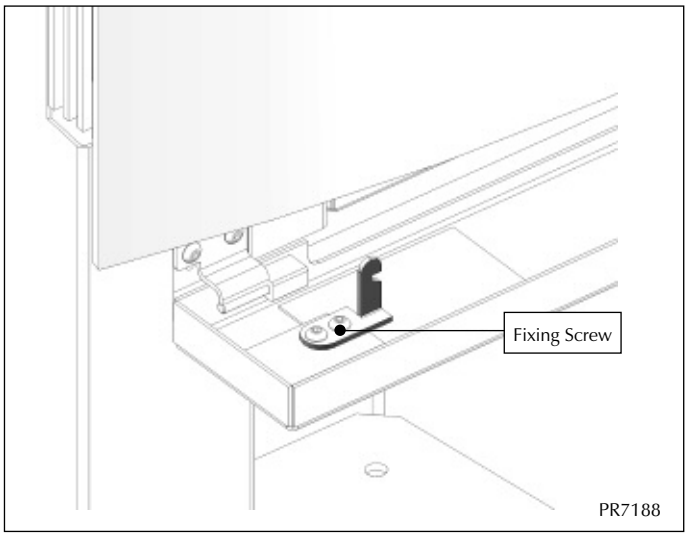
11B. ADJUSTING ASHPAN COVER HINGES RIVA CUBE



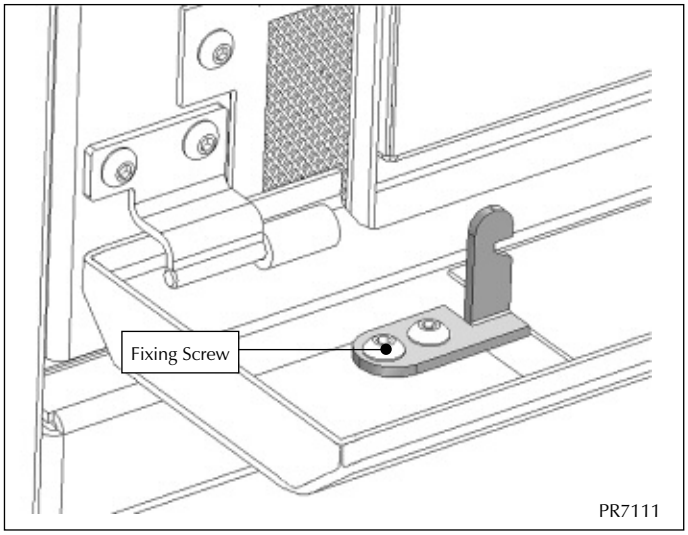
11.1 It is possible to correct the fit of the ashpan door by loosening the hinge fixing screws and repositioning the hinges.

12A. ADJUSTING ASHPAN COVER TOUCH LATCH - RIVA AVANTI

(Tool required - 2.5mm A/F Hex socket key)



12B. ADJUSTING ASHPAN COVER TOUCH LATCH - RIVA CUBE



12.1 It is possible to correct the operation of the ashpan door touch latch by loosening the latches fixing screws and repositioning the latch. This may need a trial and error approach to find the correct position.

CARE OF YOUR RIVA F40

To help you get the best performance from your Riva and keep it in good condition, inside and out, Stovax offers a wide range of cleaning and maintenance products as well as a host of accessories to help you enjoy the maximum pleasure from your stove. Your Stovax retailer will be able to provide full details but here is a brief list of items that may be of interest:

PRODUCT CODE	DESCRIPTION
3047	Extra long matches
4293	Fire lighters
5039	Gas lighter
4052	Log basket
3048	Wood sling - for easy carrying of logs
3016	Log tongs
4027	Extra long protective gloves
3046	Stove pipe thermometer
5038	Hearthgate - 5 section (for areas 1780x405mm)
5044	Hearthgate - 7 section (for areas 1780x610mm)
4227	Ash caddy - 382x102x306mm
4228	Ash caddy - 446x102x306mm
4229	Ash caddy - 382x102x459mm
4230	Ash caddy - 637x127x408mm
4231	Ash caddy - 306x178x459mm
2091	Ashclean vacuum cleaner attachment
4232	Steel brush

Your retailer will also be able to provide genuine spare parts such as replacement glass, door sealing rope and fire bricks, as and when required. Remember, an annual service is recommended to keep you appliance in best possible condition.

EC Declaration of Conformity CE

The undersigned, representing the following :

Manufacturer
Stovax Ltd Falcon Road, Sowton Industrial Estate Exeter EX2 7LF

Herewith declare that the products :

Description	Product code	Description	Product code
Riva F40 Cube	RVF40C		
Riva F40 Avanti	RVF40AV		
Riva F40 Avanti Midi	RVF40AVM		
Riva F40 Avanti Highline	RVF40AVH		

Description of product : Riva domestic wood and multifuel heating stove product range

Steel fabricated stove body fitted with steel fabricated door sets, various decorative trim and firegrate options. Supplied in various sizes to give a range of heat output options.

are in conformity with the provisions of the following EC Directive(s) when installed in accordance with the installation intructions in the product documentation :

98/106/EEC Construction Products Directive

and the standards referenced below have been applied :

EN 13240 : 2001 Roomheaters fired by solid fuel – Requirements and test methods

Product : Roomheater fired by solid fuel as covered under the scope of the standards listed. Intended use : Space heating in residential buildings.		
Characteristic	Performance	Report
Fire safety	Satisfies	
Emission of combustion products	Riva 40 (RVF40C / RVF40AV / RVF40AVM / RVF40AVH) CO @ 13% O_2 Wood 0.12% - Briquetted fuel 0.16%	50970/22
Release of dangerous substance	None	
Surface temperature	Satisfies	
Mechanical resistance (to carry a chimney/flue)	Maximum weight to be supported 25Kg	
Thermal output / Efficiency	Riva 40 (RVF40C / RVF40AV / RVF40AVM / RVF40AVH) Wood 4.9Kw @ 77% - Briquetted fuel 4.9Kw @ 81%	50970/22

Test laboratory : 1641

Name : D. J. Saunders

Signature :

Position : Design Engineer

Date : 15 / 09 / 2006

Sheet 1 of 1

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Stovax Ltd, Falcon Road, Sowton Industrial Estate, Exeter, Devon, England EX2 7LF
Tel: (01392) 474011 Fax: (01392) 219932 E-mail: info@stovax.com www.stovax.com